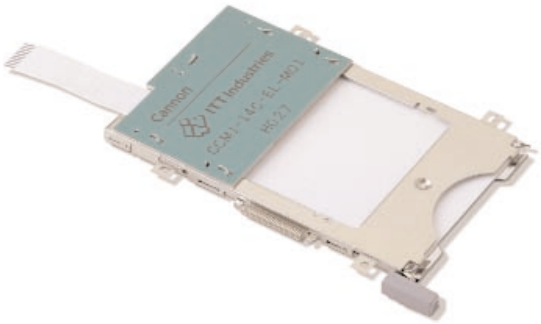
CCM-J



The CCMJ-014C-E with an ejector mechanism and landing system opens new opportunities for future on board applications. It offers higher reliability, durability, maximized space savings, and easy installation. Higher performance in the most compact design.

Main applications:

Designed for multiple applications as follows:

- Intelligent transportation system
- Electronic tool collection
- Electronic fund transfer
- Access control
- Identification

Main features:

- Landing Method, an ITT Cannon patent, lifts the card to the contacts with a guaranteed connection and minimal wiping. The connector itself is highly durable and protects the IC card as well. The card is fully inserted into the connector.
- Smaller dimensions - A lower profile card connector of 4 mm height construction.
- Data Security - The sequential delay time for card extraction between switch and contact is more than 10m sec.
- Easy installation - no soldering is necessary. Only a simple connection of FFC interface cable to the user's interface connector.
- Reads cards of the ISO standard 7816 (Full size smart card).
- Electromagnetic release version under development.

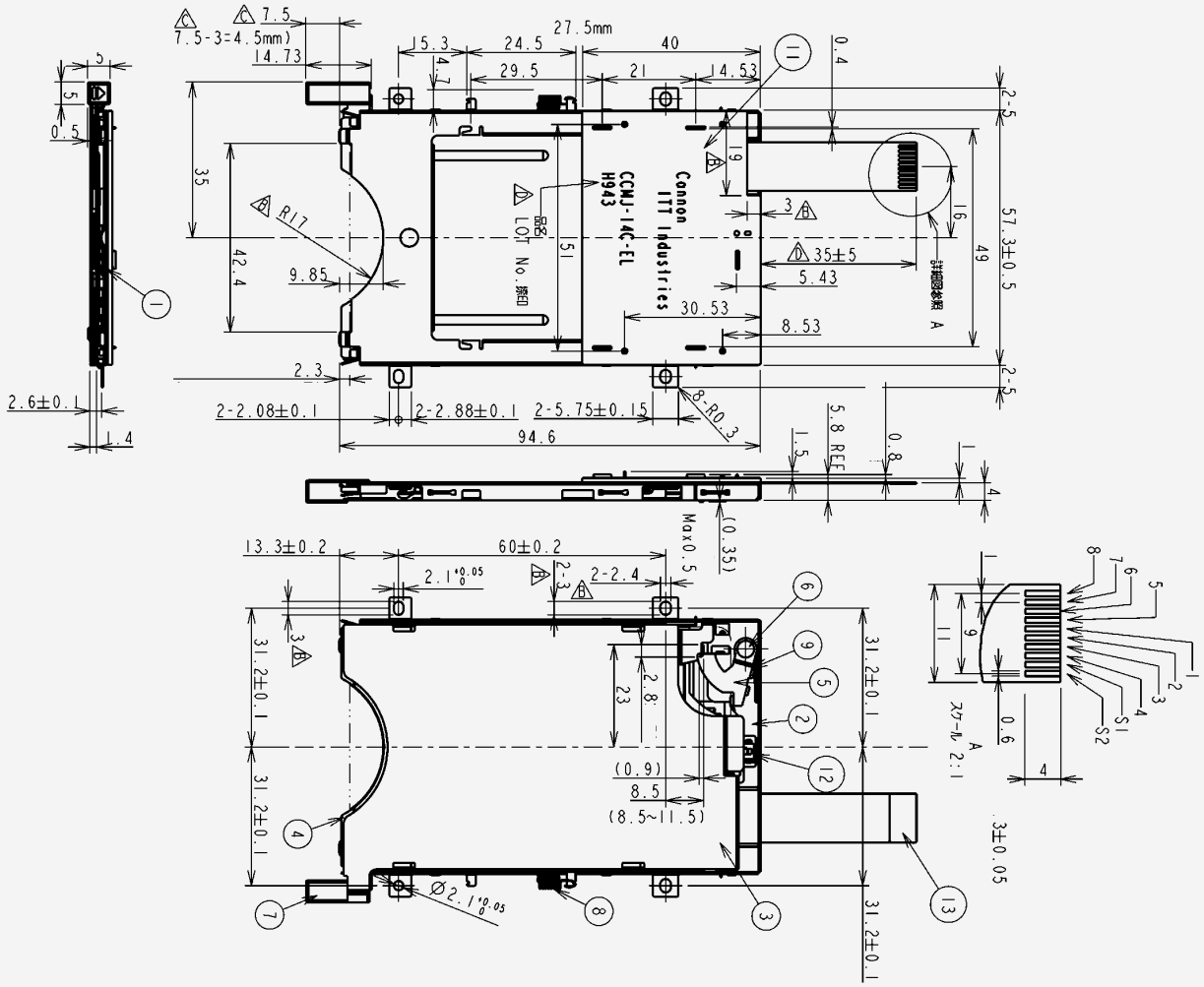
Eject mechanism	Steel, Stainless Steel Plate
Contacts material	Copper alloy
Contacts plating	Gold alloy inlay
Insulation resistance	1,000 MΩ min
Contact resistance max	Max 100 mΩ
Current	Min 10µA / Max 1A
Dielectric strength	500 Vrms min
Card detection switch	Card insertion: After IC card's terminal is activated, the card detection switch indicates "off" more than 1m sec.
	Card ejection: When eject button is pushed, card detector is activated. Then required more than 10m sec delay time until contact is removed from IC card.
Rc Card detection switch	Max 1 mΩ
Switch current rating	Min 0.1mA / Max 10mA
Number of Contacts	8
Mechanical Life	200,000 cycles
Card insertion force	Max 10N
Card ejector button push force	Max 12N
Vibration	Frequency 33Hz. Acceleration 6.8G (66.6m/s2) constant. Duration: vertical 8H, horizontal (left-right 2H) (forward-backward 2H). Max dielectric discontinuity 1 µ sec.
Sweep Vibration	Frequency 10 to 200Hz, Acceleration 5G (50.0m/s2) constant, Logarithm sweep, sweep speed 10-200-10Hz (15min) Number of sweeps, vertical 8 cycles-2H, horizontal
Shock	Peak value 20 G - Duration 6m sec. 3 shocks in each direction of each axis Max electrical discontinuity 1 µ sec.
Operating Temperature	-30°C ~ 85°C

Connectors are packaged on tray. 6 pieces per tray. Maximum of 30 trays per carton box.

Part Number	Ejector position	N° of Contacts
CCMJ-14C-EL	Left	8*

*ISO standard

Dimensional Drawings



Unless otherwise stated, tolerances are ± 0.10 mm